

## **List of Current Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1 - 7 (Cancelled).

8. (New) An RF ground antenna comprising:  
at least one antenna reflector panel; and  
a metal reflective sheet mounted on said at least one antenna reflector panel,  
wherein:

said at least one antenna reflector panel formed as a reinforcing element  
comprising a block of machinable material;

said block of a machinable material having a machined front surface for  
receiving said metal reflective sheet; and

said metal reflective sheet being fixed directly to said machined front surface of  
said block of machinable material so as to form a first skin layer of said block of  
machinable material.

9. (New) The RF ground antenna of claim 8, wherein:  
said metal reflective sheet is adhered on said at least one antenna reflector  
panel.

10. (New) The RF ground antenna of claim 8, further comprising:  
a second skin layer mounted on a rear surface of said block of machinable  
material.

11. (New) The RF ground antenna of claim 8, wherein:  
said block of machinable material is comprised of a honeycomb core.

12. (New) The RF ground antenna of claim 8, wherein:  
a plurality of antenna reflector panels are provided with index means provided for interlocking the panels together.

13. (New) The RF ground antenna of claim 8 further comprising:  
a heating element arranged in at least one groove formed in said block of machinable material.